ABSTRACT OF THE DISCLOSURE

A recording/reproducing apparatus records and reproduces, over a partial response channel, a recording signal produced by encoding data according to a convolutional code and reproduces the data from a reproduction signal by iterative decoding using likelihood information. A burst error detector detects a burst error part in the reproduction signal. A substituting part substitutes, for a sampling value included in the burst error part, a predetermined value according to a detected result of the burst error detector.